



PATENT  
TS1260 02 (US)  
DFH:EM

1 PW

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Donald F. Haas

Date: April 7, 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of	)	
ARIE VAN ZON, ROBERT MOENE,	)	
PHILLIP E. UNGER, PETER ARNOLDY,	)	
and ERIC J. M. DE BOER	)	
Serial No. 10/668,933	)	Group Art Unit: 1764
Filed September 23, 2003	)	
PROCESS FOR MAKING A LINEAR	)	April 7, 2005
ALPHA-OLEFIN OLIGOMER USING A	)	
HEAT EXCHANGER	)	

COMMISSIONER FOR PATENTS  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.56 AND 1.97

It is respectfully requested that the documents listed on the attached Form PTO-1449 be considered by the Patent and Trademark Office in the above-entitled application and made of record therein. Full text copies of the relevant documents are enclosed.

The Examiner is requested to indicate consideration of this art on the attached PTO-1449 (Modified) by initialing next to each item submitted by the Applicant.

Respectfully submitted,

ARIE VAN ZON, ROBERT MOENE,  
PHILLIP E. UNGER, PETER ARNOLDY,  
and ERIC J. M. DE BOER

By

Attorney, Donald F. Haas  
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FORM PTO-1449 (Modified)

ATTY. DOCKET NO.  
TS1260 02 (US)APPLICATION NUMBER  
10/668,933LIST OF INFORMATION PROVIDED  
BY APPLICANT

(Use several sheets if necessary)

APR 11 2005

APPLICANT  
Arie Van Zon et al.FILING DATE  
September 23, 2003GROUP ART UNIT  
1764

## REFERENCE DESIGNATION

## PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
AA						
AB						
AC						
AD						
AE						

## FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Subclass	Translation Yes      No
AG						
AH						

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

AK

FOREIGN SEARCH REPORT (IF IN ENGLISH) CITING ANY OF THE ABOVE REFERENCES		FOREIGN PATENT OFFICE
<i>DD</i>		Written Opinion for PCT/EP 03/10710 dated 5 July 2004
<i>DD</i>		Response to Written Opinion for PCT/EP 03/10710 dated 5 November 2004
<i>M</i>		International Preliminary Examination Report for PCT/EP 03/10710 dated 22 December 2004
<i>DD</i>		Written Opinion for PCT/EP 03/10709 dated 28 October 2004
<i>D</i>		Response to Written Opinion for PCT/EP 03/10709 dated 2 December 2004
<i>DD</i>		International Preliminary Examination Report for PCT/EP 03/10709 dated 7 July 2005
EXAMINER	<i>DMV</i>	DATE CONSIDERED <i>6/10/05</i>

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.

PATENT  
TS12606 02 (US)  
DFH:EM

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the accompanying application of )  
ARIE VAN ZON, ROBERT MOENE, )  
PHILLIP E. UNGER, PETER ARNOLDY, )  
and ERIC J. M. DE BOER )  
PROCESS FOR MAKING A LINEAR )  
ALPHA-OLEFIN OLIGOMER USING A )  
HEAT EXCHANGER )  
September 23, 2003

COMMISSIONER FOR PATENTS  
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Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.56 AND 1.97

It is respectfully requested that the documents listed on the attached Form PTO-1440 be considered by the Patent and Trademark Office in the above-entitled application and made of record therein. Full text copies of the relevant documents are enclosed.

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Respectfully submitted,

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and ERIC J. M. DE BOER

By

  
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FORM PTO-1449 (Modified)			ATTY. DOCKET NO. TS1260 02 (US)	APPLICATION NUMBER		
LIST OF INFORMATION PROVIDED BY APPLICANT (Use several sheets if necessary)			APPLICANT A. Van Zon et al.			
			FILING DATE	GROUP ART UNIT		
REFERENCE DESIGNATION			U.S. PATENT DOCUMENTS			
Examiner Initial	Document No.	Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA					
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
FOREIGN PATENT DOCUMENTS						
	Document No.	Date	Country	Class	Subclass	Translation Yes      No
<i>D</i>	AJ WO 02/28805 A2	4/11/02	World	C07C	2/32	
<i>D</i>	AK WO 02/06192 A1	1/24/02	World	C07C	2/32	
<i>D</i>	AL WO 02/C0339 A2	1/3/02	World	B01J	31/22	
<i>D</i>	AM WO 01/58874 A1	8/16/01	World	C07D	213/53	
<i>D</i>	AN WO 02/12151 A1	2/14/02	World	C07C	2/32	
<i>D</i>	AO WO 99/02472	1/21/99	World	C07C	2/32	
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)						
<i>D</i>	AR	D. Vogt, Oligomerisation of ethylene to higher alpha-olefins in Applied Homogeneous Catalysis with organometallic Compounds, Ed. B. Cornils, W. A. Herrmann, 2 <sup>nd</sup> Edition, Vol. 1, Ch. 2.3.1.1, page 240-253, Wiley-VCH 2002)				
	AS					
	AT					
EXAMINER	<i>DNY</i>		DATE CONSIDERED		<i>6/10/05</i>	

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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2. This is not a representation that a search has been made.

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on or before the date shown below.



*Donald F. Haas*  
Donald F. Haas  
Date: April 14, 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of )  
ARIE VAN ZON, ROBERT MOENE, )  
PHILLIP E. UNGER, PETER ARNOLDY, )  
and ERIC J. M. DE BOER )  
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Respectfully submitted,

ARIE VAN ZON, ROBERT MOENE,  
PHILLIP E. UNGER, PETER ARNOLDY,  
and ERIC J. M. DE BOER

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<p style="text-align: center;">O P F M E P T O - 1 4 4 9 (Modified)</p> <p style="text-align: center;">LIST OF INFORMATION PROVIDED BY APPLICANT</p> <p style="text-align: center;">(Use several sheets if necessary)</p> <p style="text-align: right;">APR 18 2005 SCH PATENT</p>				ATTY. DOCKET NO. TS1260 02 (US)	APPLICATION NUMBER 10/668,933		
				APPLICANT A. Van Zon et al.			
				FILING DATE September 23, 2003	GROUP ART UNIT 1764		
<b>REFERENCE DESIGNATION</b> U.S. PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date If Appropriate
D	AA	5,198,563	3/30/93	Reagen et al.	556	57	
D	AB	5,288,823	2/22/9	Reagen et al.	526	124	
D	AC	5,382,738	1/17/95	Reagen et al.	585	512	
D	AD	5,550,305	8/27/96	Wu	585	513	
<b>FOREIGN PATENT DOCUMENTS</b>							Translation Yes      No
		Document No.	Date	Country	Class	Subclass	Translation Yes      No
D	AF	135,873	3/4/20	Great Britain			
D	AG	0,611,743 B1	7/2/97	Europe	C07C	2/3	
D	AH	WO 99/52631	10/21/99	World	B01J	31/18	
D	AI	WO 02/06192 A1	1/24/02	World	C07C	2/32	
D	AJ	0,608,447 A1	1/26/93	Europe	C08F	10/00	
D	AK	WO 94/25416	11/10/94	World	C07C	2/34	
D	AL	WO 02/04119 A1	1/17/02	World	B01J	31/18	
D	AM	WO 96/27439	9/12/96	World	B01J	31/18	
D	AN	0,614,865 A1	3/9/94	Europe	C07C	2/30	
D	AO	JP11049804	2/23/99	Japan	C08F	2/00	X
<b>OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)</b>							
D	AR	W. Kaminsky and M. Arndt-Rosenauf, Chemical Background in Applied Homogeneous Catalysis with organometallic Compounds, Ed. B. Cornils, W. A. Herrmann, 2 <sup>nd</sup> Edition, Vol. 1, Ch. 2.3.1.1, pp. 213-230, Wiley-VCH 2002					
D	AS	R.M. Manyik, W.E. Walker, T.P. Wilson, J. Catal., 1977, 47, 197 and J.R. Briggs, Chem. Commun. 1989 and cited references					
	AT						
EXAMINER				DATE CONSIDERED			

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